

## CLAIMS

We claim:

- 1 1. A method comprising the steps of:
- 2 (A) pulling gas from a space into a gas filtering system comprising:
- 3 (i) a plant growing device including:
- 4 (1) a growth medium;
- 5 (2) a plant growing in the medium;
- 6 (ii) a subsurface member including:
- 7 (1) a first gas inlet for pulling the gas into the member and
- 8 through the medium; and
- 9 (2) a first gas outlet for discharging the gas from the member;
- 10 (iii) a fan unit including:
- 11 (1) a second gas inlet in fluid communication with the first gas
- 12 outlet; and
- 13 (2) a second gas outlet for discharging the gas into the space;
- 14 (B) filtering the gas of gas borne contaminants by contacting the gas with the
- 15 growth medium containing the growing plant to form a filtered gas; and
- 16 (C) exhausting the filtered gas back into the space.

- 1 2. The method of claim 1, wherein the subsurface member further including:
- 2 (3) an interior, a top and a bottom.

- 1 3. The method of claim 2, wherein the gas inlet is disposed in the bottom of the
- 2 member and the gas outlet is disposed in the top of the member.

1 4. The method of claim 3, wherein the bottom includes a plurality of gas inlets  
2 disposed therein.

1 5. The method of claim 1, wherein the member is in the shape of a torus having a top  
2 half, a bottom half, at least one gas outlet and a plurality of gas inlet inlets disposed in the  
3 bottom half of the torus.

1 6. The method of claim 5, wherein the gas outlet is disposed in the top half of the  
2 torus.

1 7. The method of claim 5, wherein the gas inlets are disposed in a symmetrical pattern  
2 in the bottom half of the torus.

1 8. The method of claim 2, wherein the gas inlet is a continuous slit in the bottom half  
2 of the torus.

9. A gas filtering system comprising:

(A) a plant growing device containing;

(i) a growth medium;

(ii) a plant growing in the medium;

(B) a subsurface member including:

(i) a first gas inlet for pulling the gas into member and through the medium;

(ii) a first gas outlet for discharging the gas from the member;

(C) a fan unit including:

(i) a second gas inlet in fluid communication with the first gas outlet;

(ii) a second gas outlet for discharging the gas into the space; and

(iii) a fan for drawing gas from second gas inlet and exhausting gas out the second gas outlet.

10. The system of claim 9, the system further comprising:

(D) an electronic unit including:

(i) a circuit board;

(ii) an on/off switch;

(iii) indicator lights.

11. The system of claim 10, the system further comprising:

(E) a moisture sensor placed subsoil below the bottom of the subsurface member.

1 12. The system of claim 9, wherein the subsurface member further including:

2 (iii) an interior, a top and a bottom.

1 13. The system of claim 12, wherein the gas inlet is disposed in the bottom of the  
2 member and the gas outlet is disposed in the top of the member.

1 14. The system of claim 13, wherein the bottom includes a plurality of gas inlets  
2 disposed therein.

1 15. The system of claim 9, wherein the member is in the shape of a torus having a top  
2 half, a bottom half, at least one gas outlet and a plurality of gas inlet inlets disposed in the  
3 bottom half of the torus.

1 16. The system of claim 15, wherein the gas outlet is disposed in the top half of the  
2 torus.

1 17. The system of claim 15, wherein the gas inlets are disposed in a symmetrical pattern  
2 in the bottom half of the torus.

1 18. The system of claim 12, wherein the gas inlet is a continuous slit in the bottom half  
2 of the torus.

1 19. A gas filtering system comprising:

2 (A) a member to be placed below a growth medium surface including:

3 (i) a first gas inlet in fluid communication through the medium to a  
4 space; and

5 (ii) a first gas outlet;

6 (B) a fan unit connected to the member including:

7 (i) a second gas inlet in fluid communication with the first gas outlet;

8 (ii) a second gas outlet in fluid communication with the space; and

9 (iii) a fan for drawing gas from the space through the medium into and out  
10 of the member and into and out of the fan unit back into the space.

1 20. The system of claim 9, the system further comprising:

2 (D) an electronic unit including:

3 (i) a circuit board;

4 (ii) an on/off switch;

5 (iii) indicator lights; and

6 (E) a moisture sensor placed subsoil below the bottom of the subsurface  
7 member.